

Lynas Rare Earths

Diggers & Dealers
Mining Forum

2 August 2021

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Lynas is the only scale producer of separated Rare Earths outside China

Malaysia



Lynas Malaysia: Over 8 years of operation in Gebeng, Malaysia
Efficient Cracking & Leaching, Solvent Extraction, Product Finishing

United States

Establish RE processing platform for LRE/HRE separation & specialty materials
Initial contracts for financial support signed with U.S. DoD

Mt Weld, Western Australia



10 years of operation, Tier 1 deposit
Mine and Concentration Plant
Continuing exploration and development

Kalgoorlie, Western Australia

Well progressed Rare Earths Processing Facility project, funded & progressing to schedule



Key Metrics

ASX Ticker	LYC
ISIN	AU000000LYC6
Shares Outstanding as at 31 December 2020	901,078,579
Debt as at 31 December 2020	US\$145m JARE
Closing Cash & Short-term Deposits 30 June 2021	A\$680.8m
Market Capitalisation as at 30 July 2021	A\$6.46b

Favourable market settings

- Effect of global megatrends becoming apparent supports continued confidence in market growth

Demand for electric vehicles has accelerated

International Energy Agency (IEA) reports 41% growth in EV registrations in 2020 vs. 2019¹



Global wind capacity additions increased by over 90% in 2020 to 114 GW

2021 additions expected to be approx. 80 GW (IEA)²



Consumer Electronics market expected to grow to \$17.7 billion by 2030 at CAGR of 4.9%³

(2020: \$10.9 billion)



Global Smart Homes market expected to surpass US\$289 billion by 2030 from US\$63 billion in 2018 at CAGR of 27%⁴



¹ <https://www.iea.org/reports/global-ev-outlook-2021>

² <https://www.iea.org/reports/renewable-energy-market-update-2021>

³ <https://www.marketwatch.com/press-release/global-consumer-electronics-market-size-worth-17738889-mn-with-cagr-of-49-by-2030-top-industry-trends-and-outlook-2021-01-27>

⁴ <https://www.fatposglobal.com/reports/smart-homes-market/345>

Quarterly Results June 2021

CASHFLOW	A\$ m Jun 21 qtr	A\$ m Jun 21 YTD
Cash Inflows		
Receipts from customers	192.7	465.4
Proceeds from issue of shares, net of capital raising costs	-	413.9
Cash Outflows		
Costs of production, administration and royalties	(69.2)	(252.3)
Capex, exploration and development costs	(14.8)	(40.4)
Net interest received /(paid)	(1.7)	(3.9)
Placement of cash in term deposits	-	(100.3)
Net exchange rate adjustment	5.3	(3.3)
Opening Balance (Cash & Short Term Deposits)	568.4	101.7
Closing Balance 30 June 2021	680.8	680.8



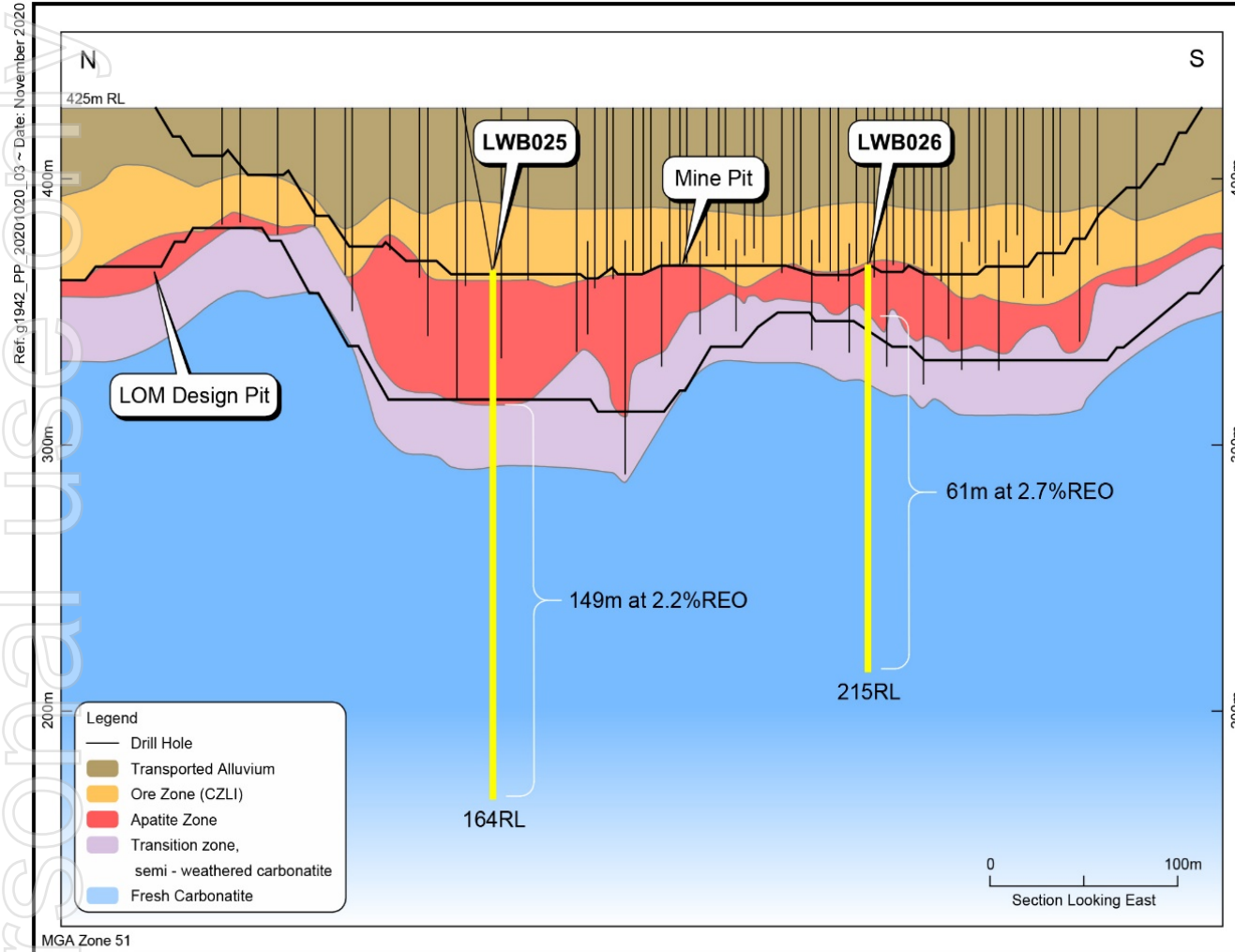
Lynas Malaysia – Continued Operation through COVID-19

- Malaysia Government Enhanced Movement Control Order to combat COVID-19
- Continued operation with Lynas Standard Operating Procedures (SOPs) in place:
 - Limiting staff numbers on site to 40%, operations at ~75% of Lynas NEXT rates
 - Travel restrictions
 - COVID-19 Screening
- Vaccination of employees, spouses and contractors in progress

Our value begins with our Tier 1 high grade, long life Rare Earth deposit at Mt Weld



Exploration Results from Fresh Carbonatite below Life of Mine Pit (Nov 2020)



Two new water bores established below the current pit floor, both holes extended for exploration purposes

First time we have drilled to these depths

New deep drilling in the Fresh Carbonatite below the area of the Mineral Resources and Ore Reserves revealed*:

- Significant and continuous intersections of Rare Earth minerals, including Light Rare Earth and Heavy Rare Earth elements
- Rare Earth mineralisation remains open at depth
- One new borehole included 149 metres of 2.2% Rare Earth Oxides (REO) in carbonatite at consistent grades
- The other new borehole included 61 metres at 2.7% REO in carbonatite
- Grain size is significantly coarser than in the saprolite (weathered) zone of the current Mt Weld mining zone

Exploration Diamond Drill Hole – 1000 metres

W

Dolerite Dyke

E

Current Pit Extent

Base of Weathering

Deepest Previous Drillhole
(LWB025:
~200m below pit floor)

500m

1000m

MWEX10270

Glimmerite Halo

~3.65km

1km

1km

Section Looking North

Legend

PROTEROZOIC

ARCHAEAN

Dolerite Dyke

Metasediments, bimodal metavolcanics

Glimmerite

Mt Weld Carbonatite Complex (c. 2.06 Ga)



Core from 670m down
showing Rare Earth
mineralisation
(dark red)



Mt Weld Process Improvements



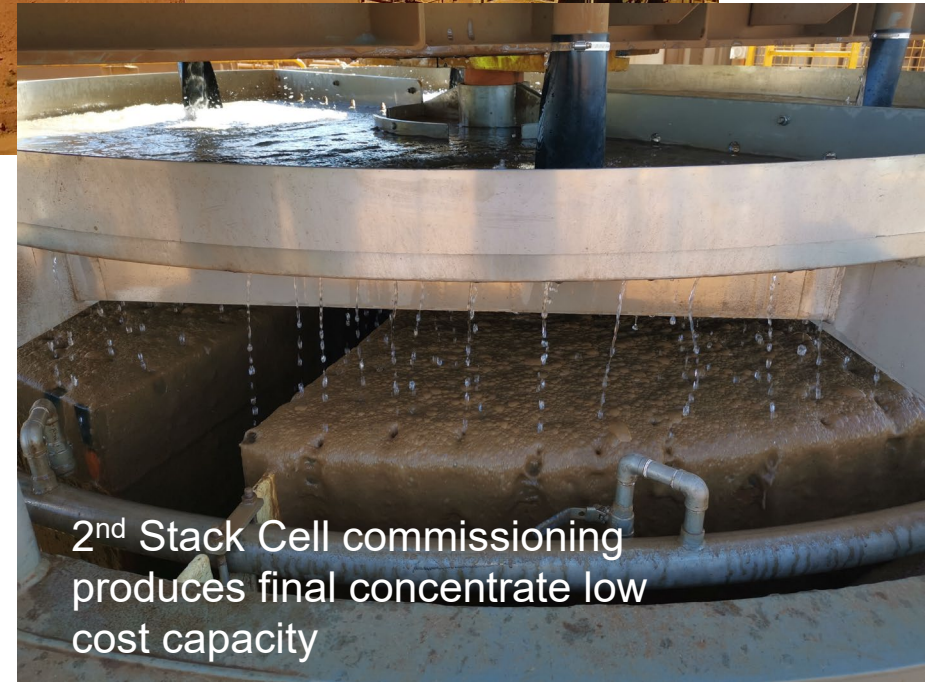
Reagent trials & froth washing improve grade recovery performance



Apatite ore trial – testing of future ores



New concentrate dryer improved concentrate quality for downstream processing



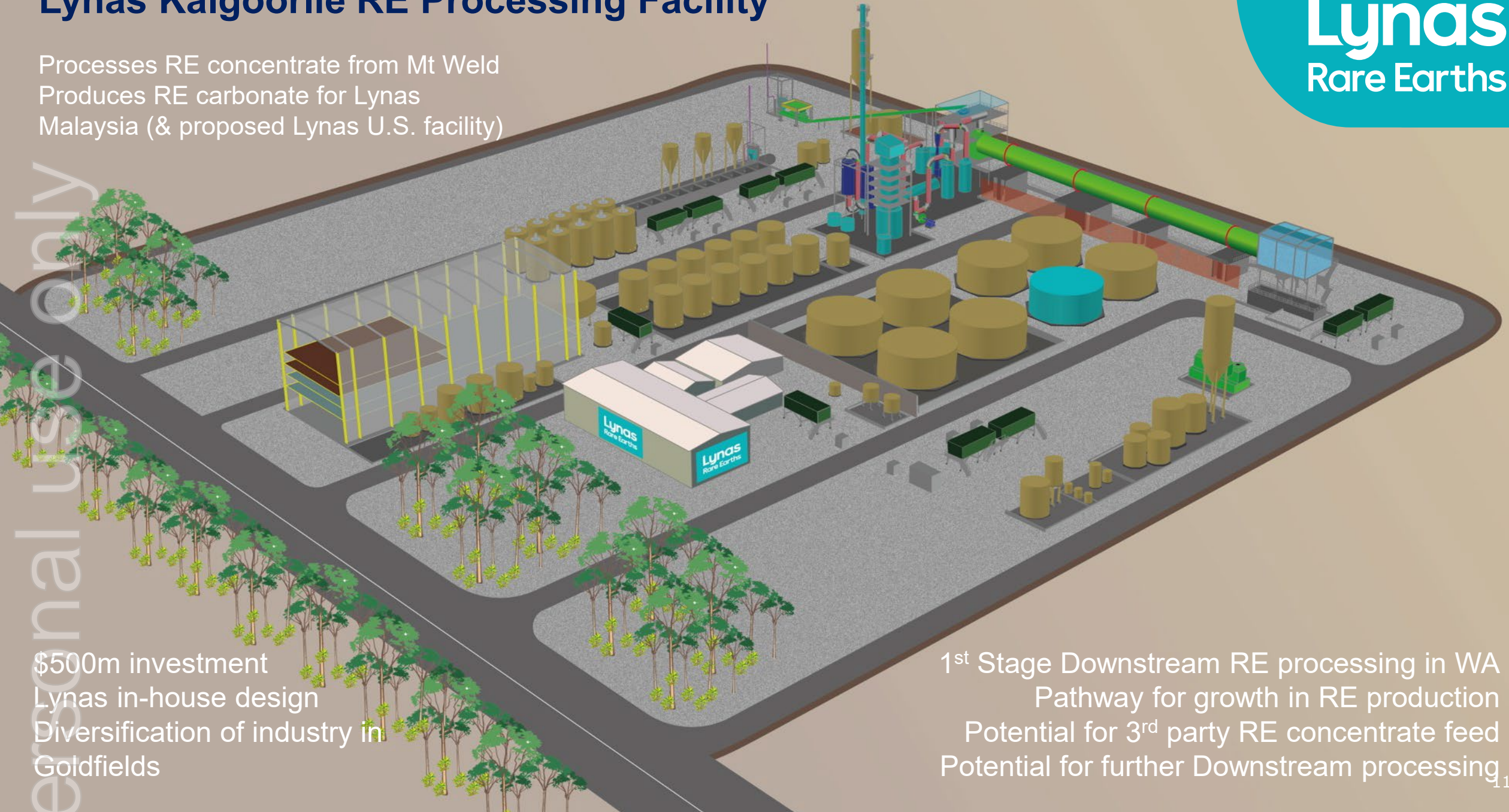
2nd Stack Cell commissioning produces final concentrate low cost capacity

Lynas Kalgoorlie RE Processing Facility

Processes RE concentrate from Mt Weld
Produces RE carbonate for Lynas
Malaysia (& proposed Lynas U.S. facility)

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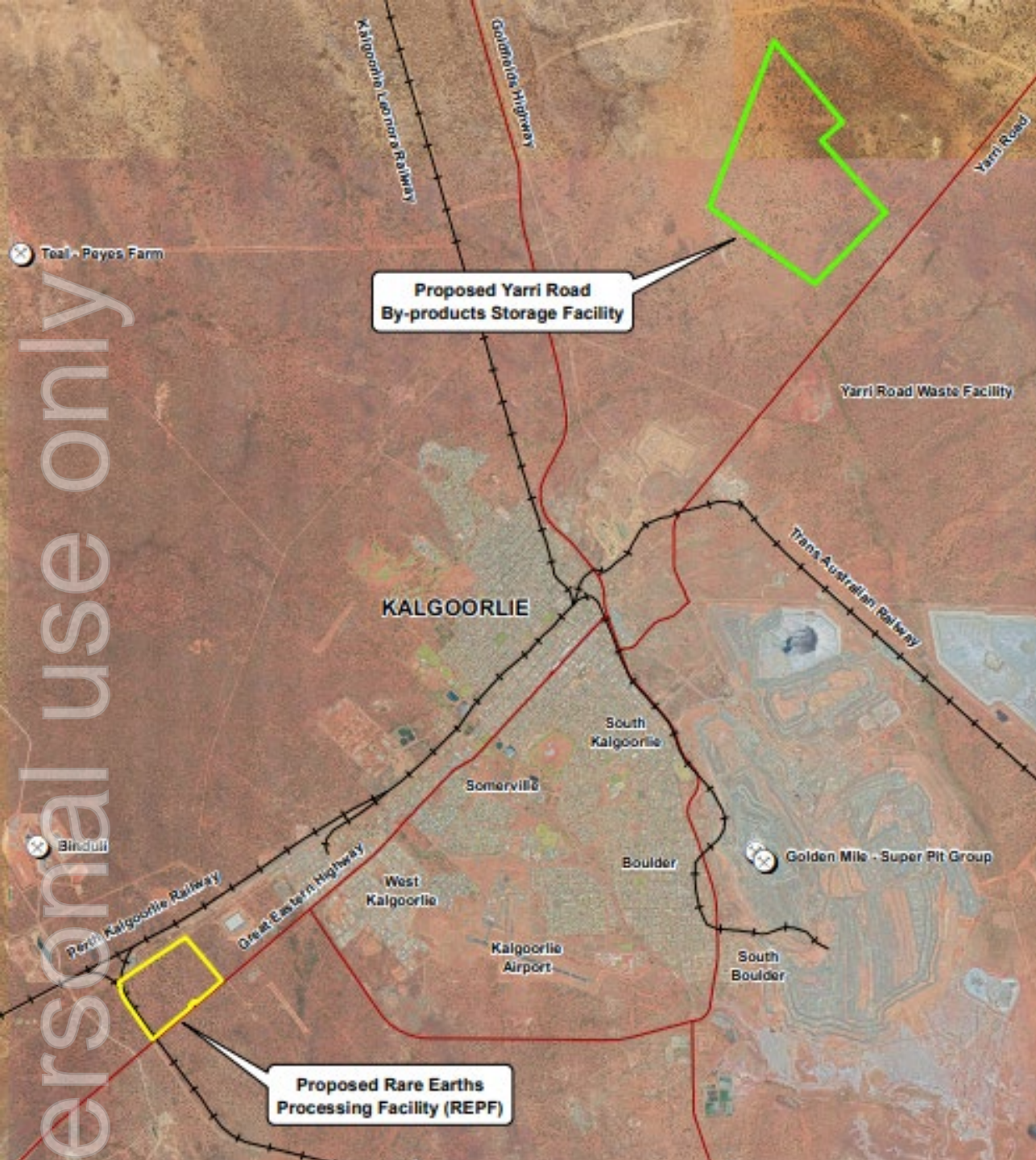


\$500m investment
Lynas in-house design
Diversification of industry in
Goldfields

1st Stage Downstream RE processing in WA
Pathway for growth in RE production
Potential for 3rd party RE concentrate feed
Potential for further Downstream processing₁

Where will we be located?

1. Lynas Kalgoorlie Rare Earth Processing Facility
2. Proposed Yarri Road By-Products Storage Facility



Kalgoorlie Approvals and Community Engagement

- Ongoing engagement with government agencies since June 2019
- Agency support through Major Project status (Australian) and Lead Agency status (WA)
- EPBC referral “not a controlled action”
- EPA WA referral
 - Approval for Preliminary Works
 - Environmental Review Document completed with requested additional information
 - Recently completed 4 Week Public Review Period
 - Pop-up Information Point for community members



Rotary Kiln Fabrication (5 Sections)



Section 1



Section 4



Section 5



Section 2



Section 3

Kalgoorlie – Preliminary Site Works

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OUR VALUES



Care

We care for and respect each other, our communities and the environment. We make sure we all go home safe and well.



Achievement

We are resilient and committed. We overcome challenges to achieve our goals.



Expertise

We are driven to be the world's best in Rare Earths and to earn the respect of our customers.



Diversity

We are a multicultural company. We value and embrace diversity.



Sustainability

We are passionate about contributing to a sustainable future and green technologies.

Visit our Investor Centre at:
www.lynasrareearths.com

Appendix A: JORC Compliance and Competent Person's Statement

Exploration Results

The information in this report that relates to the Exploration Results is based on information compiled by Dr Sadangaya Ganesh Bhat. Dr Sadangaya Ganesh Bhat is a full-time employee of Lynas Rare Earths. Dr Sadangaya Ganesh Bhat is a member of the AusIMM. Dr Sadangaya Ganesh Bhat has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as Competent Person as defined in the 2012 Edition of the Australasian Code for the Reporting of Exploration Results, Mineral Resources, and Ore Reserves (JORC Code). Dr Sadangaya Ganesh Bhat consents to the disclosure of information in this report in the form and context in which it appears.

The potential extent and grade of the Fresh Carbonatite is unknown at this stage, as there has been insufficient exploration and it is uncertain if further exploration will result in estimation of a Mineral Resource. The Exploration Results have been prepared and reported in accordance with the 2012 edition of the JORC Code

Mineral Resources and Ore Reserves

Full details of the material change that occurred in 2018 are reported in the Lynas ASX announcement dated August 6, 2018, titled “**Lynas announces a 60% increase to Mt Weld Ore Reserves, one of the world’s richest sources of Rare Earths**”. Current Resource and Reserve Statements for the Mt Weld Rare Earth Mineral Deposit Mineral Resources are in the 2020 Annual Report created on 6 October 2020 and available to view at: https://www.lynasrareearths.com/wp-content/uploads/2020/10/LYC_AR20-30Sep20-LODGE-2122450-1.pdf. The company confirms that all material assumptions and technical parameters underpinning the estimated Ore Reserves set out in the ASX announcement dated August 6, 2018 continue to apply and have not materially changed.